

618156-1 Festo Response to USSN 09/673,411 Response mailed Oct 26, 2005

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PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS

- 5 The invention described herein refers to pharmaceutical compositions, to the use of compounds as agents with activity for the enhancement of absorption of active ingredients and to specific compounds, ~~all according to the general sections of claims 1, 2, 5, 6 and 10 hereinafter.~~
- The problems related to percutaneous absorption of active ingredients in
- 10 topical and transdermal pharmaceutical presentations (drug delivery systems) is known and has been the subject matter of patents [1] Percutaneous absorption: mechanisms-methodology-drug delivery, 2 Ed., Bronaugh Maibach, MARCEL DEKKER INC.
- Among the most significant examples reported in scientific literature it is
- 15 possible to mention the enhancing activity of dodecylmethylsulfoxide in increasing percutaneous absorption of idoxuridine [2] Touitou, E. (1988), Int. J. Pharm. 43:1. The effect of dodecylazacycloheptan-2-one (Laurocapram, Azone) in enhancing absorption of various molecules was investigated by Stoughton [3] Stoughton, R. B. (1982), Arch. Dermatol.
- 20 118: 474 and by Sugibayashi [4] Sugibayashi, K., Hosoya, K. Morimoto, Y., and Higuchi, W. I. (1985), J. Pharm. Pharmacol. 37: 578.
- Substances made available on the market and initially used in fields other than the pharmaceutical sector, subsequently proved to be of remarkable